

What is claimed is:

1. An electrical connector used for electrically connecting an integrated circuit to a printed circuit board comprising:

an insulative housing defining a first surface, a second surface and a plurality of passageways spanning the first and second surfaces;

a cover slidably mounted on the housing and defining an upper surface for carrying the integrated circuit and a lower surface toward the first surface of the housing, the cover defining a plurality of openings corresponding to the passageways of the housing;

at least one spring upwardly urging the cover away from the housing;

a plurality of contacts received in the passageways of the housing, each contact defining a contacting portion positioned between the upper surface of the cover and the first surface of the housing, and partially received in a corresponding opening; wherein,

when the cover is pressed downward, the contacting portions of the contacts protrude from the openings of the cover to connect with the integrated circuit.

2. The electrical connector as described in claim 1, wherein the housing defines a plurality of blind holes on a peripheral portion of the housing, each blind hole extending from the first surface toward the second surface and terminating at a supporting face therein.

3. The electrical connector as described in claim 1, wherein the housing defines a plurality of restricting slots at opposite sidewalls thereof, each restricting slot having a first protruding portion and a second protruding portion.

4. The electrical connector as described in claim 1, wherein the cover forms a plurality of hooks corresponding to the restricting slots.

5. The electrical connector as described in claim 4, wherein a distance between the first protruding portion and the second protruding is substantially equal to a distance between the first surface of the housing and the lower surface of the cover when the hooks engage with the first protruding portions.

6. The electrical connector as described in claim 1, wherein said openings are laterally segregated from one another.

7. The electrical connector as described in claim 1, wherein said contacts are in a relaxed manner when the contacting portions are located between the upper surface of the cover and the first surface of the housing.

8. An electrical connector used for electrically connecting an integrated circuit to a printed circuit board comprising:

an insulative housing defining a first surface, a second surface and a plurality of passageways spanning the first and second surfaces, the housing defining a plurality restricting slots, each restricting slot having a first protruding portion and a second protruding portion;

a cover slidably mounted on the housing defining an upper surface supporting the integrated circuit, a lower surface toward the first surface of the housing, and a plurality of openings corresponding to the passageways of the housing, the cover defining a plurality of hooks corresponding to the restricting slots of the housing;

at least one spring received between the housing and the cover, an end of the spring engaged with the housing and another end of the spring

suppressed by the cover;  
a plurality of contacts received in the passageways of the housing, each contact defining a contacting portion; wherein,  
when the cover is at a first position in which the hooks cooperate with the first protruding portions, the contacting portion is positioned between the upper surface of the cover and the first surface of the housing, when the cover is at a second position in which the hooks cooperate with second protruding portions, the contacting portion is beyond the openings of the cover.

9. The electrical connector as described in claim 8, wherein the housing defines a plurality of blind holes on a peripheral portion of the housing, each blind hole extending from the first surface toward the second surface and terminating at a supporting face therein.

10. The electrical connector as described in claim 9, wherein a distance between the first protruding portion and the second protruding is substantially equal to a distance between the first surface of the housing and the lower surface of the cover when the hooks cooperate with the first protruding portions.

11. An electrical connector used for electrically connecting an integrated circuit to a printed circuit board comprising:

an insulative housing defining a first surface, a second surface and a plurality of passageways spanning the first and second surfaces;

a cover defining an upper surface carrying the integrated circuit, a lower surface toward the first surface of the housing, and a plurality of openings corresponding to the passageways of the housing;

at least one spring received between the housing and the cover, an end of the spring engaged with the housing and another end of the spring suppressed by the cover;

a plurality of contacts received in the passageways of the housing; wherein

the cover is supported by the spring and movable mounted on the housing, which enable the cover slide on the housing along a direction perpendicular to the first and second surfaces.

12. The electrical connector as described in claim 11, wherein the housing defines a plurality of blind holes on a peripheral portion of the housing, each blind hole extending from the first surface toward the second surface and terminating at a supporting face therein.

13. The electrical connector as described in claim 11, wherein the housing defines a plurality restricting slots, each restricting slot having a first protruding portion and a second protruding portion at the sidewalls thereof.

14. The electrical connector as described in claim 13, wherein the cover defines a plurality of opening thereon and forms a plurality of hooks corresponding to the restricting slots.

15. The electrical connector as described in claim 14, wherein a distance between the first protruding portion and the second protruding is substantially equal to a distance between the first surface of the housing and the lower surface of the cover when the hooks cooperate with the first protruding portions.